PTO/SB/05 (08-03)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1875.1000003
First Inventor	Fallahi et al.
Title	See 1 in Addendum
Common Mail I about No.	

		Express Mail Laber No.					
See MPEP o	APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450					
(Submi 2. Applic See 3: 3. X Specif (prefer - Descr - Cross - State - Refer or a c - Back - Brief - Brief	ransmittal Form (e.g., PTO/SB/17) t an original and a duplicate for fee processing) ant claims small entity status. 7 CFR 1.27. ication [Total Pages14] red arrangement set forth below) riptive title of the invention is Reference to Related Applications ment Regarding Fed sponsored R & D ence to sequence listing, a table, omputer program listing appendix ground of the Invention Summary of the Invention Description of the Drawings (if filed) ed Description	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies					
- Claim		ACCOMPANYING APPLICATION PARTS					
- Abstruction -	act of the Disclosure Ing(s) (35 U.S.C. 113) [Total Sheets] Ideration [Total Sheets] Ideration [Total Sheets] Independent of the price of t	9. X Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. X Other: Authorization under 37CFR 1.136(a)(3) The name of the assignee is: Broadcom Corporation					
specification following the title, or in an Application Data Sheet under 37 CFR 1.76: X Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/227,259							
	19. CORRESPON	DENCE ADDRESS					
X Custon	ner Number: 26111	OR Correspondence address below					
Name	Sterne, Kessler, Goldstein & Fox P.L.L.C	· · · · · · · · · · · · · · · · · · ·					
	Sterile, Ressier, Goldstein & Fox F.E.E.e.	•					
Address		24-1					
City		State Zip Code					
Country	T	elephone Fax					
Name (Print/Ty	pe) Jason D. Eisenberg	Registration No. (Attorney/Agent) 43,447					
Signature	, Jasuito, Dischools	Date 127/1					
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This collection of information is required by 37 CFR 1.33(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the dempleted application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Addendum for Utility Patent Application Transmittal (1875.1000003)

1. Frequency Division/Multiplication With Jitter Minimization

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032

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O PPP TRALICATIT		TTAI	Complete if Known				
FEE TRANSMITTAL			Application Number	To Be Assigned			
for FY 2004			Filing Date	Herewith on February 23, 2004			
		-	First Named Inventor	Siavash Fallahi			
Effective 10/01/2003. Patent fees are subject to annual revision. Applicant claims small entity status. See 37 CFR 1.27			Examiner Name	To Be Assigned			
			Art Unit	To Be Assigned			
TOTAL AMOUNT OF PAYMENT	(\$)	810.00	Attorney Docket No.	1875.1000003			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
Check X Credit card Money X Other** None		3. ADDITIONAL FEES						
*Charge any deficiencies or credit any overpayments in		Large Entity Small Entity						
Deposit Account: the fees to Deposit Acct. No. 19-0036. Deposit		Fee (\$)	Fee Code	Fee (\$)	Fee Description			
Account 19-0036	1051	130	2051		Surcharge - late filing fee or oath	Fee Paid		
Number Deposit	1052	50	2052	25	Surcharge - late provisional filing fee or			
Account Name Sterne Kessler, Goldstein & Fox P.L.L.C.	4050	400	4050	420	cover sheet Non-English specification			
The Director is authorized to: (check all that apply)	1053	130 2,520	1053 1812		For filing a request for ex parte reexamination			
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804		Requesting publication of SIR prior to			
Charge any additional fee(s) or any underpayment of fee(s)		V-V			Examiner action			
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month			
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month			
1. BASIC FILING FEE Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month			
F <u>ee Fee Fee Fee Description</u> Fee Pald	1254	1,480	2254	740	Extension for reply within fourth month	\vdash		
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month			
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	<u> </u>		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	\vdash		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2453	665	Petition to revive - unintentional			
Fee from	1501 1502	-	2501	665				
Total Claims 16 - 20 **= X = Independent 2 - 3 **= X = Independent X = Indepen		480	2502	240	· ·			
		640	2503	320 130		\vdash		
		130 50	1460	50		•		
			1806	180				
Fee Fee Fee Fee Description	1806	180			Becarding each patent assignment per	40.00		
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	property (times number of properties)	40.00		
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))			
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be			
1204 86 2204 43 ** Reissue independent claims	4004	770	2004	205	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)			
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1801 1802	770 900	2801 1802	385 900	, ,			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1,552	550	1	230	of a design application	 		
SUBTOTAL (2) (\$) 0		Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (a)				40.00		
**or number previously paid, if greater; For Reissues, see above	"Redu	iced by	Basic	Filing F	ee Paid SUBTOTAL (3) (\$)	40.00		

SUBMITTED BY						(Complete (if applicable))		
Name (Print/Type)	Jason D. Eisenberg		Registration No. (Attorney/Agent)	43,447	Telephone	(202) 371-2600		
Signature	Lann 4	\sim			Date	2/23/04		
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be included on this form. Provide credit card information and authorization on PTO-2038.

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Michael D. Specht Jessica L. Parezo Timothy A. Doyle* Cynthia M. Bouchez Nicole D. Dretar* Ted J. Ebersole Registered Patent Age

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Mail Stop Patent Application

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*Admitted only in Virginia
*Practice Limited to
Frederal Agencies

February 23, 2004

WRITER'S DIRECT NUMBER: (202) 772-8645 INTERNET ADDRESS: JASONE@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: Herewith on February 23, 2004

For: Frequency Division/Multiplication With Jitter Minimization

Inventors:

Fallahi *et al*.

Our Ref:

1875.1000003

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Frequency Division/Multiplication With Jitter Minimization

and naming as inventors: Siavash Fallahi, Myles Wakayama and Pieter Vorenkamp

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 10/227,259;
- c. A specification containing:
 - i. ten (10) pages of description prior to the claims;

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skqf.com

Commissioner for Patents February 23, 2004 Page 2

- ii. three (3) pages of claims (16 claims, 2 independent);
- iii. a one (1) page abstract;
- d. Fifteen (15) sheets of drawings: (Figure(s) 1A-1B, 2, 3A-3D, 4-5, 6A-6B, 7A-7C, 8A-8C); and
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. A copy of executed Assignment as originally filed in U.S. Appl. No. 10/227,259; to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 7. Preliminary Amendment;
- 8. Information Disclosure Statement (IDS);
- 9. Form PTO-1449 (1 page);
- 10. Two (2) return postcards; and
- 11. Form PTO-2038 Credit Card Payment Form.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg Attorney for Applicants

Registration No. 43,447

JDE/crf Enclosures

#233037.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Fallahi et al.

Appl. No.: To Be Assigned

Filed: Herewith on February 23, 2004

For: Frequency Division/Multiplication

With Jitter Minimization

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.1000003

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

tason D. Eisenberg

Attorney for Applicants Registration No. 43,447

Date: February 23, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

#233072.1